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| APPLICATION NO. | FILING D | ATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
|-----------------|----------------------|---------|----------------------|------------------------|------------------|--|
| 10/005,184 | 0/005,184 12/05/2001 | | Rodney W. Salo | 279.365US1 | 6930 | |
| 21186 | 7590 03/24/2004 | | | EXAMINER | | |
| SCHWEGM | IAN, LUNDB | MANUEL, | MANUEL, GEORGE C | | | |
| P.O. BOX 29 | 38 | | | | | |
| MINNEAPO | LIS, MN 554 | 02 | | ART UNIT | PAPER NUMBER | |
| | | | • | 3762 | | |
| | | | | DATE MAILED: 03/24/200 | 4 - | |
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Please find below and/or attached an Office communication concerning this application or proceeding.

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|--|--|--|--|---|-------|--|--|--|
| | | Applicati | on No. | Applicant(s) | | | | |
| | | 10/005,1 | 84 | SALO, RODNEY W. | | | | |
| | Office Action Summary | Examine | T | Art Unit | | | | |
| | | George M | Manuel | 3762 | | | | |
| Period f | The MAILING DATE of this communic or Reply | cation appears on th | e cover sheet with the c | orrespondence address | | | | |
| THE - Exte afte - If th - If NO - Fail Any | MORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNIC ensions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this communic period for reply specified above is less than thirty (30 period for reply is specified above, the maximum stature to reply within the set or extended period for reply verely received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b). | CATION. of 37 CFR 1.136(a). In no evunication. of days, a reply within the statutory period will apply and will, by statute, cause the app | ent, however, may a reply be tir tutory minimum of thirty (30) day ill expire SIX (6) MONTHS from dication to become ABANDONE | nely filed /s will be considered timely. I the mailing date of this communicat ED (35 U.S.C. § 133). | tion. | | | |
| Status | | | | | | | | |
| 1)[\(\sigma\) | Responsive to communication(s) filed | d on 16 January 200 |)4 | | | | | |
| · | | b)⊠ This action is r | | | | | | |
| 3) | | | | | | | | |
| Disposit | tion of Claims | | | | | | | |
| 5)□ 6)⊠ 7)⊠ | | e withdrawn from co jected. are objected to. | | | | | | |
| Applicat | tion Papers | | | | | | | |
| • | The specification is objected to by the The drawing(s) filed on is/are: Applicant may not request that any objected to by the property of the specification is objected to by the property of the specification is objected to by the specification is objected to be specification in the specification in the specification is objected to be | a) accepted or b | · | | | | | |
| 11) | Replacement drawing sheet(s) including The oath or declaration is objected to | the correction is requi | red if the drawing(s) is ob | ojected to. See 37 CFR 1.121 | • • | | | |
| Priority | under 35 U.S.C. § 119 | | | | | | | |
| a) | Acknowledgment is made of a claim for All b) Some * c) None of: 1. Certified copies of the priority of Some * Copies of the priority of Some * Copies of the priority of Some * Copies of the certified copies of the certified copies of the certified copies of the Internation See the attached detailed Office action | documents have been documents have been for the priority documental Bureau (PCT Ru | en received. en received in Applicat ents have been receiv le 17.2(a)). | ion No ed in this National Stage | | | | |
| 2) Noti 3) Info | nt(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PT rmation Disclosure Statement(s) (PTO-1449 or Fer No(s)/Mail Date 3.4. | | 4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other: | | | | | |

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-7, 9, 15, 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over by Cohen '289.

Cohen discloses identifying an infracted area comprising designating area MI in Fig. 12. One of ordinary skill in the art would have found it obvious to pre-excite sites proximate to the infracted area because Cohen teaches using ventricular sequential pacing to shorten the Q-T interval, see Figs. 6-11, and col. 14, line 59 to col. 15, line 3.

Regarding claim 7 and 17, Cohen teaches FIGS. 30a and 30b and 31 describe a ventricular sequential pacing system where pacing foci 40A, 41A and 42A will experience equal current flow with a voltage drop across each proportional to the ventricular impedance each experiences. One of ordinary skill in the art would have found it obvious to modify the deliver pacing pulses responsive to the sensed

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impedances because the teaching applies to ventricular wall motions or thickness which

effect the voltage drops.

Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over by Ben-

Haim '094.

Ben-Haim discloses identifying an ischemic region, portion 120 in a ventricle, see

Fig. 12C, and delivering pacing pulses to an area, location 124, proximate to the

ischemic region. One of ordinary skill in the art would have found it obvious to pre-

excite the pacing site because Ben-Haim teaches that moving the pacing site takes over

part of the workload of the eschemic region.

Allowable Subject Matter

Claims 8, 10, 11, 13, 14, 16 and 18 are objected to as being dependent upon a

rejected base claim, but would be allowable if rewritten in independent form including all

of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to George Manuel whose telephone number is (703) 308-

2118.

George Manuel rimary Examiner

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3/12/04

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